

## Message Text

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PAGE 01 MOSCOW 02726 131552 Z

47

ACTION SCI-06

INFO OCT-01 EUR-25 ADP-00 SAJ-01 SS-14 NSC-10 CU-04 USIE-00

L-03 NAS-01 NSF-04 OST-04 CIAE-00 INR-09 NSAE-00

RSC-01 INRE-00 SSO-00 NSCE-00 EB-11 COME-00 DOTE-00

INT-08 CCO-00 RSR-01 PA-03 PRS-01 /107 W

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R 131508 Z MAR 73

FM AMEMBASSY MOSCOW

TO SECSTATE WASHDC IMMEDIATE 7150

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PASS NSF, DOT, NBS

E. O. 11652: N/A

TAGS: TGEN, UR

SUBJ: S& T AGREEMENT: NEW AREAS OF COOPERATION

REF: STATE 40081

1. ( U) EMBASSY HAS ACQUIRED COPY OF NEW PROPOSALS OF SOVIET SIDE FROM S& T COOPERATION THAT ARE TO BE PRESENTED AT JOINT COMMISSION MEETING. DOCUMENT BEING HAND- CARRIED BY TECH, ARRIVING JFK MARCH 18. SUBSTANTIVE CONTENTS FOLLOW.

2. ( U) SCIENCE POLICY: " DURING COURSE OF ( BECKLER- SKLYAROV) DISCUSSIONS, BOTH SIDES CAME TO COMMON VIEW THAT EXCHANGE OF INFORMATION ON ORGANIZATION, PLANNING, AND FINANCING OF R & D IN US AND USSR WOULD BE USEFUL FOR BOTH SIDES. TAKING INTO ACCOUNT THAT PLANNING AND ACCOUNTING DATA ON VOLUME OF R & D EFFORT, ON EXTENT AND STRUCTURE OF ITS FUNDING, AND ON TRAINING AND USE OF SCIENTIFIC AND ENGINEERING ( MANPOWER?) ARE FORMULATED BY DIFFERENT METHODOLOGIES, IT IS CONSIDERED ESSENTIAL TO ESTABLISH A( PROPER) BASIS FOR COMPARISON OF STATISTICAL DATA." SOVIET SIDE WILL PROBABLY PROPOSE HAVING MEETING OF EXPERTS ON THIS SUBJECT.

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PAGE 02 MOSCOW 02726 131552 Z

3. (U) TRANSPORT: " SOVIET SIDE PROPOSES ESTABLISHMENT OF S& T COOPERATION IN FIELD OF TRANSPORT CONSTRUCTION AND, IN PARTICULAR, THE RESPONSIBLE SOVIET ORGANIZATIONS ARE INTERESTED IN COOPERATION ON SUCH TOPICS AS:

(A) ORGANIZATION OF HIGH- SPEED TRAINS AND USE OF COMPUTERS BY RAILROADS.

(B) IMPROVEMENT OF METHODS FOR DESIGN AND CONSTRUCTION OF BRIDGES.

(C) IMPROVEMENT OF TECHNOLOGY OF MANUFACTURE AND MOUNTING OF STEEL AND CONCRETE- STEEL SPAN- STRUCTURES, AND REDUCTION OF MATERIAL CONTENT AND WEIGHT IN THEIR CONSTRUCTION.

(D) METHODS FOR CONSTRUCTING AUTOMOBILE TUNNELS

(E) APPLICATION OF SPECIAL WORK METHODS IN TUNNEL CONSTRUCTION, AND IN PARTICULAR, ARTIFICIAL FREEZING OF EARTH AND ARTIFICIAL WATER DRAWDOWN.

4. (U) STANDARIZATION: " IN THIS FIELD , THE PROPOSALS OF THE AMERICAN SIDE ENVISION COOPERATION IN THE ESTABLISHMENT OF STANDARD REFERENCE DATA AND STANDARD REFERENCE SAMPLES. THE SOVIET SIDE, AND IN PARTICULAR THE COMMITTEE ON STANDARDS, AGREES WITH THESE PROPOSALS AND, IN TURN, CONSIDERS IT USEFUL TO INCLUDE INTO THE PROGRAM OF THIS COOPERATION THE USE OF ELECTRONIC COMPUTER TECHNOLOGY IN STANDARDIZATION. MOREOVER, IT WOULD BE DESIREABLE ALSO TO INCLUDE IN THE COOPERATIVE PROGRAM THOSE METROLOGICAL QUESTIONS ON WHICH AMERICAN AND SOVIET SPECIALISTS EXCHANGED VIEWS AND EXPRESSED MUTUAL INTEREST DURING THE VISIT TO THE USSR BY THE USDEL MAY 13- JUNE 3, 1972."

5. (U) SPECIAL ELECTROMETALLURGY: " THE PATON INSTITUTE OF ELECTRIC WELDING ( KIEV) IS WELL KNOWN HERE AND ABROAD. THE INSTITUTE HAS AN INTEREST IN COOPERATING WITH AMERICAN FIRMS IN THE DEVELOPMENT OF HIGHLY EFFICIENT PLANTS FOR THE ELECTRON- BEAM REFINING OF LIQUID METALS, TO OUR KNOWLEDGE, TWO US FIRMS, REM METAL CORPORATION AND DANKONA STEEL CORPORATION, HAVE SHOWN AN INTEREST IN COOPERATING WITH THE INSTITUTE IN THIS FIELD. THESE FIRMS HAVE CONFIRMED THEIR INTEREST IN COOPERATION THROUGH LETTERSSENT TO THE PATON INSITTUTE, HAVE EXPRESSED THEIR READINESS TO CONDUCT JOINT R & D, AND HAVE PROPOSED GOING AHEAD WITH DISCUSSIONS OF COMMON TECHNICAL PROBLEMS. CONSIDERING THE INTEREST OF LIMITED OFFICIAL USE

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PAGE 03 MOSCOW 02726 131552 Z

BOTH SIDES, THE SOVIET DELEGATION OF THE JOINT COMMISSION

CONSIDERS THAT IT WOULD BE USEFUL TO APPROVE THE ESTABLISHMENT OF COOPERATION IN THIS FIELD AND PROPOSES THAT THE JOINT COMMISSION RENDER ASSISTANCE TO THE INTERESTED US AND SOVIET ORGANIZATIONS AND FIRMS IN THE CONDUCT OF THEIR JOINT WORK."

6. ( U) IN ADDITION TO ABOVE, SOVIET SIDE WANTS TO ENDORSE RUTGERS- KIEV COOPERATION IN THEORETICAL PHYSICS AND WILL RECOMMEND THAT EXPERTS FROM THESE TWO INSTITUTIONS MEET SOON TO WORK OUT DETAILS DIRECTLY BETWEEN THEMSELVES. SOVIETS WILL ALSO ENDORSE DEEP SEA DRILLING PROJECT, WHICH IS SUBJECT OF SEPTEL.

7. ( LOU) THERE ARE TWO MAJOR SURPRISES HERE. ONE IS THE RATHER SWEEPING EXPANSION OF COOPERATION IN STANDARD REFERENCE MATERIALS TO INCLUDE COMPUTER APPLICATION IN STANDARD REFERENCE MATERIALS TO INCLUDE COMPUTER APPLICATIONS AND THOSE AREAS DISCUSSED DURING RECIPROCAL METROLOGY EXCHANGES. RATHER INTENSE INTEREST IN THIS AREA BY SOVIETS PROBABLY STEMS FROM INCREASED PRIORITY BEING GIVEN TO QUESTION OF QUALITY CONTROL IN PRODUCTION ( CENTRAL PRESS HAS CARRIED SEVERAL ITEMS THIS SUBJECT RECENTLY) , AND WE SUSPECT, FROM RATHER STRONG LOBBYING AT SCST BY BOYTISOV AND ISAYEV OF GOSSTANDART. SECOND IS PROPOSAL FROM PATON INSTITUTE. WE GUESS THAT SOVIETS WANT TO USE THIS PROPOSAL AS TEST CASE TO DETERMINE JUST HOW FAR US SIDE WILL AND CAN GO IN " ENCOURAGING AND FACILITATING , AS APPROPRIATE, DIRECT CONTACTS" WITH US PRIVATE INDUSTRY AND FIRMS.  
DUBS

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\*\*\* Current Handling Restrictions \*\*\* n/a

\*\*\* Current Classification \*\*\* LIMITED OFFICIAL USE

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